

## Programme

### Wednesday July 3, 2019

**07:30 Registration**

**08:30 RICT 2019 Opening**

Prof. Sebastien PAPOT (UNIVERSITY OF POITIERS, Poitiers, France)  
Prof. Pascal MARCHAND (UNIVERSITY OF NANTES, Nantes, France)  
Dr Patricia LEMARCHAND (UNIVERSITY OF NANTES, Nantes, France)

**Inaugural Conference**

**Session Chair:**

Prof. Sebastien PAPOT  
(UNIVERSITY OF POITIERS, Poitiers, France)

**09:00 PL01: What Makes a Great Medicinal Chemist: Some Fresh Thoughts**

Dr Mark MURCKO  
(RELAY THERAPEUTICS, Boston, MA, United States)

**Session 1: Recent Advances for Cancer Therapy**

**Session Chair:**

Dr Yannick JACQUES  
(INSERM/CNRS, Nantes, France)

**09:45 PL02: Reprogramming the Reactivity of Iron in Cancer**

Dr Raphaël RODRIGUEZ  
(INSTITUT CURIE, Paris, France)

**10:30 Coffee Break and Exhibition**

**11:00 PL03: Quo Vadis Small Molecule Cancer Therapeutics?**

Dr Ingo HARTUNG  
(BAYER HEALTHCARE, Darmstadt, Germany)

**11:45 KL01: Therapeutic Potential of Macrocyclic ALK2 Inhibitors**

Dr Pascal BENDERITTER  
(ONCODESIGN, Dijon, France)

**12:15 Lunch**

**13:00 Posters (Odd numbers) and Exhibition**

**Session 2: Artificial Intelligence in Drug Discovery**

**Session Chair:**

Prof. Pascal BONNET  
(UNIVERSITY OF ORLÉANS, Orléans, France)

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**14:30 PL04: Massively Multi-target Profile-QSAR: IC50 Predictions Comparable to 4-Concentration Experiments for most Novartis Assays**  
Dr Eric MARTIN  
(NOVARTIS, Emeryville, United States)

**15:15 PL05: Automated Syntheses Planning and its Implications for Drug Design**  
Dr Marwin SEGLER  
(BENEVOLENTAI, Cambridge, United Kingdom)

**16:00 Coffee Break and Exhibition**

### Session 3: Mechanism Based Approaches

#### Session Chair:

Dr Maria DUCA  
(UNIVERSITY OF CÔTE D'AZUR, Nice, France)

**16:30 PL06: Discovery of Risdiplam, a Selective Survival of Motor Neuron-2 (SMN2) Gene Splicing Modifier for the Treatment of Spinal Muscular Atrophy (SMA)**  
Dr Hasane RATNI  
(F. HOFFMANN-LA ROCHE LTD, Basel , Switzerland)

**17:15 PL07: The Influence of Free Ligand Conformations on Mcl-1 PPI Inhibition**  
Dr Rodrigo CARBAJO  
(ASTRAZENECA, Cambridge, United Kingdom)

**18:00 KL02: Tackling a Unique S1 Protease by SBDD - Highly Potent & Selective Factor D Inhibitors - Age-Related Macular Generation (AMD)**  
Dr Edwige LORTHIOIS  
(NOVARTIS, Basel, Switzerland)

**18:30 Welcome and Networking Reception**

**20:30 End of the day**

**Thursday July 4, 2019**

**Session 4: Paul Ehrlich Award Lecture (sponsored by Janssen Research & Development)**

**Session Chairs:**

Dr Luc VAN HIJFTE (MERCACHEMSYNCOM, Nijmegen, The Netherlands)  
Dr Jose CID (JANSSEN R&D, Toledo, Spain)

**08:45 PL08: Paul Ehrlich Award Lecture - Chemotype - Phenotype - Target**

Prof. Herbert WALDMANN  
(MAX PLANCK INSTITUTE OF MOLECULAR PHYSIOLOGY, Dortmund, Germany)

**Session 5: New Breakthrough in Antibody-based Therapy**

**Session Chair:**

Prof. Marie-Claude VIAUD-MASSUARD  
(FACULTÉ DES SCIENCES PHARMACEUTIQUES - UNIVERSITÉ DE TOURS, TOURS, France)

**09:45 PL09: Chemical Physiology of Antibody Conjugates and Natural Products**

Prof. Gonalo BERNARDES  
(INSTITUTO DE MEDICINA MOLECULAR, PORTUGAL & UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)

**10:30 Coffee Break and Exhibition**

**11:00 PL10: Click-Cleavable Antibody-Drug Conjugates**

Dr Marc ROBILLARD  
(TAGWORKS PHARMACEUTICALS, Eindhoven, The Netherlands)

**11:45 PL11: Increasing Brain Exposure of Therapeutic Antibodies**

Dr Dominique LESUISSE  
(SCT & SANOFI, Chilly-Mazarin, France)

**12:30 Lunch**

**13:00 Posters (Even numbers) and Exhibition**

**Session 6: Sugars in Drug Discovery**

**Session Chair:**

Prof. Didier DUBREUIL  
(CEISAM - UNIVERSITY OF NANTES, Nantes, France)

**14:30 PL12: Carbohydrate-Lectin Interactions - What Makes Them Unique?**

Prof. Dr Beat ERNST  
(UNIVERSITY OF BASEL, Basel, Switzerland)

**15:15 PL13: Complex Glycans in Health and Disease**

Prof. Geert-Jan BOONS  
(UTRECHT UNIVERSITY, Utrecht, The Netherlands)

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**16:00**      **Coffee Break and Exhibition**

### **Session 7: New Modalities in Drug Discovery**

#### **Session Chair:**

Prof. Pascal MARCHAND  
(UNIVERSITY OF NANTES, Nantes, France)

**16:30**      **PL14: Unlocking Drug Discovery Power through Collaborative Efforts between Academia and CRO : Bringing Novel Tankyrase Inhibitors towards the Clinic**

Dr Anita WEGERT  
(MERCACHEM-SYNCOM, Nijmegen, The Netherlands)

**17:15**      **PL15: Identification of S 64315, a Potent and Selective Mcl-1 Inhibitor through Fragment-based Drug Discovery**

Dr Andras KOTSCHY  
(SERVIER RESEARCH INSTITUTE OF MEDICINAL CHEMISTRY, Budapest, Hungary)

**18:00**      **KL03: Nanofitin Modules Platform: Go Multispecific, Go Multiparatopic !**

Dr Anne CHEVREL  
(AFFILOGIC, Nantes, France)

**18:30**      **End of the day**

**20:30**      **Banquet**

## Programme

**Friday July 5, 2019**

### **Session 8: New Tools for Therapeutic Innovation**

#### **Session Chair:**

Prof. Joachim JOSE  
(UNIVERSITY OF MÜNSTER, Münster, Germany)

**08:30 PL16: Straightforward Conversion of Peptides into Bioactive Lactam-Based Foldamers**

Prof. Muriel AMBLARD  
(CNRS-UNIVERSITY OF MONTPELLIER I, Montpellier, France)

**09:15 PL17: Chemical Biology of mRNA Modifications**

Prof. Andrea RENTMEISTER  
(UNIVERSITY OF MÜNSTER, Münster, Germany)

**10:00 Coffee Break and Exhibition**

### **Session 9: Modifying Proteins Structures and Functions**

#### **Session Chair:**

Dr Gilles GUICHARD  
(UNIVERSITY OF BORDEAUX, CBMN, Bordeaux, France)

**10:30 PL18: Modulating Different Components of the Ubiquitin System with Small Molecules and Cyclic Peptides**

Prof. Ashraf BRIK  
(TECHNION-ISRAEL INSTITUTE OF TECHNOLOGY, Haifa, Israel)

**11:15 PL19: Cysteine Arylation to Engineer, Deliver, and Discover Proteins**

Prof. Bradley Lether PENTELUTE  
(MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA, United States)

### **Session 10: Pierre Fabre Award Lecture (Sponsored by Pierre Fabre)**

#### **Session Chairs:**

Dr Serge GRISONI (CENTRE DE RECHERCHE ET DÉVELOPPEMENT PIERRE FABRE, Toulouse, France)  
Dr Brigitte LESUR (SCT & INSTITUT DE RECHERCHES SERVIER, Paris, France)

**12:00 PL20: Pierre Fabre Award Lecture - Click Chemistry with Mesoionics: New Tools for Chemical Biology**

Dr Frédéric TARAN  
(CEA/SACLAY, Gif-sur-Yvette, France)

**13:00 Closing Remarks**